



# SAFETY DATA SHEET (SDS)

ULTRAVIOLET<sup>INC</sup>

## Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name	ULTRAVIOLET Solar Salt Crystals, Extra Coarse ULTRAVIOLET Solar Salt Pellets
CAS #	7647-14-5
Product Use	Water Softening
Manufacturer(s) Blending/Bagging	Salt Depot Inc. 5442 Wells Park Road West Jordan, UT 84081 801.282.1250
Supplier	ULTRAVIOLET <sup>®</sup> , Inc. 5842 Royalton Drive Murray, UT 84107 888.884.2363
24 Hour Hotline	CHEMTREC 800.424.9300

## Section 2: HAZARDS IDENTIFICATION

THIS PRODUCT, IN ITS ENTIRETY, AS WELL AS ITS INDIVIDUAL COMPONENTS, IS NOT CLASSIFIED AS HAZARDOUS UNDER OSHA HAZCOM2012 REGULATIONS OR THE CANADIAN W.H.I.M.I.S. REGULATIONS.

The criteria for listing components in this section are: Carcinogens, Respiratory Sensitizers, Mutagens, Teratogens and Reproductive toxins are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non-hazardous components are not listed. The products pertaining to this SDS have various proportions of components which do not meet the listing criteria. So salt, magnesium chloride, and potassium chloride are not needed.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS#	Classification
Sodium Chloride	7647-14-5	Not Classified

## Section 4: FIRST AID MEASURES

<b>First Aid Procedures</b>	Eye Contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
	Skin Contact	Flush with cool water. Wash with soap & water. Obtain medical attention if irritation persists.
	Inhalation	If symptoms develop move victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.
	Ingestion	Do not induce vomiting. Rinse mouth with water, then drink 1 to 2 glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
<b>Notes to Physician</b>		Symptoms may be delayed. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: FIRE FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable by WHMIS/OSHA criteria.
<b>Flash Point &amp; Method</b>	N/A
<b>Flammable Limits</b>	N/A
<b>Extinguishing Media</b>	
Suitable Extinguishing Media	Treat for surround material, water spray, dry chemicals, foam or carbon dioxide.
Unsuitable Extinguishing Media	N/A

**Section 5: FIRE FIGHTING MEASURES, continued**

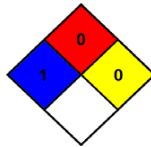
**Protection of Firefighters**

Specific Hazards Arising from chemical Protective Equipment for Firefighters N/A Full protective clothing, including self contained breathing apparatus.

**Unusual Fire & Explosion Hazards** None

**NFPA FIRE HAZARDS**

Health: 1  
 Fire: 0  
 Reactivity: 0  
 Specific: N/A



LEGEND	Minimal	0
	Slight	1
	Moderate	2
	Serious	3
	Severe	4

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions** Wear suitable protective clothing, gloves and eye/face protection.

**Methods of Containment** None necessary.

**Methods for Cleaning Up** Use broom, shovel or dry vacuum to collect material for proper disposal without raising dust. Discard in normal waste disposal with accordance with local regulations. Following product recovery, flush area with water.

**Section 7: HANDLING & STORAGE**

**Handling Storage** Use care in handling/storage. Avoid breathing dust. Keep out of reach of children. Keep containers tightly closed when not in use in a cool, dry, well-ventilated place.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational Exposure Limits** No exposure limits noted for ingredient(s).

**Biological Limit Values** No biological exposure limits noted for ingredient(s).

**Appropriate Engineering Controls** TWA PEL: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, OSHA has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise regulated (PNOR):

5mg/cu.m. Respirable Dust 8-hr TWA PEL, 15mg/cu.m. Total Dust 8-hr TWA PEL

TWA TLV: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, ACGIH has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise classified (PNOC):

10mg/cu.m. Respirable dust 8-hr TWA TLV, 15mg/cu.m. Total dust 8-hr TWA TLV

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.

**Personal Protective Equipment**

**Eye / Face Protection** Optional  
**Hand Protection** Optional  
**Skin & Body Protection** As required by employer code.  
**Respiratory Protection** Where exposure guideline may be exceeded, use an approved NIOSH respirator or NIOSH approved filtering facepiece.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks & immediately after handling product.

<b>Section 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b>	
Appearance	Crystalline or Compacted Pellet
P	Solid
7	Crystalline or Compacted Pellet
#	Colorless to White
\	Odorless
\	N/A
=	6-8 neutral
U	800.9 C (1473.8 F)
7	N/A
"	1413 C (2575.4 F)
7	N/A
-	N/A
7	N/A
7	N/A
†	0.1 kPa (1mmhg)@865 C
Vapor Density	N/A
Specific Gravity	2.17 (H@) @20 C
Relative Density	2.17 g/cm3
Octanol/Water Coefficient	N/A
Solubility (H2O)	36g/100g H2O @20 C
Partition Coefficient	N/A
Auto-ignition Temperature	N/A
Percent Volatile	0% w/w
Molecular Weight	58.4400 g/mole
Molecular Formula	NaCl
<b>Section 10: CHEMICAL STABILITY REACTIVITY INFORMATION</b>	
Chemical Stability	Material is stable under normal conditions.
Conditions to Avoid	Contact with incompatible materials.
Incompatible Materials	Reactive with oxidizing agents, acids, metals in presence of moisture, lithium, bromine, trifluoride.
Hazardous Decomposition Products	May include and are not limited to: Hydrogen chloride. Chlorine gas. Oxides of magnesium.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
<b>Section 11: TOXICOLOGICAL INFORMATION</b>	
Component Analysis-LC50 Ingredients	LC50
Sodium Chloride	1 hour>42,000 mg/m3 rat
Component Analysis-Oral LD50 Ingredients	LD50
Sodium Chloride	3,550 mg/kg rat
Effects of Acute Exposure	10,000 mg/kg rabbit
Eye	Direct contact with eyes may cause temporary irritation.
Skin	No adverse effects due to skin contact are expected.
Inhalation	Dust of this product may cause irritation of the nose, throat, & respiratory tract.
Ingestion	Expected to be a low ingestion hazard.
Sensitization	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Chronic Effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Carcinogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Mutagenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Reproductive Effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Teratogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
<b>Section 12: ECOLOGICAL INFORMATION</b>	
Excotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Component Analysis	
Sodium Chloride	LC50 (Lepomis macrochirus) - 5,840 mg/L - 96 hours NOEC - Daphnia - 1,500 mg/L - 7 days LC50 (Daphnia magna) - 1,661 mg/L - 48 hours
Persistence / Degradability	N/A
Bioaccumulation / Accumulation	N/A
Mobility in Environmental Media	N/A
Chemical Fate Information	N/A
Other Adverse Effects	None reported

<b>Section 13:</b>	<b>DISPOSAL CONSIDERATIONS</b>	
<b>Waste codes</b>	Not available.	
<b>Disposal instruction product/packaging waste</b>	Dispose of content and/or container in accordance with federal, state & local environmental controls and regulations.	
<b>Section 14:</b>	<b>TRANSPORTATION INFORMATION</b>	
<b>U.S. Department of Transportation (DOT)</b>	Not regulated as dangerous goods	
<b>Transportation of Dangerous Goods (TDG-Canada)</b>	Not regulated as dangerous goods.	
<b>Section 15:</b>	<b>REGULATORY INFORMATION</b>	
<b>Canadian Federal Regulations</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required.	
WHMIS status	Not Controlled	
<b>US Federal Regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910. 1200.	
OSHA 29 CFR 1910.1200 Hazardous Chemical	Not listed	
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed	
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D)	Not regulated	
Superfund Amendments and Reauthorization Act of 1986 (SARA)		
Hazard Categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
Section 302 Extremely Hazardous Substance	No	
Section 311/312 Hazardous Chemical	No	
Section 313 TRI reporting	Not regulated	
Clean Air Act Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated	
Clean Air Act Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated	
Clean Water Act (CWA)	Not regulated	
Safe Drinking Act (SDWA)	Not regulated	
Drug Enforcement Agency (DEA) Food and Drug Administration	Total food additive	
US State Regulations		
California Prop 65	This product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.	
Massachusetts, Pennsylvania, Rhode Island RTK	Not Regulated	
<b>Inventory Status</b>		
<b>Country or Region</b>	<b>Inventory Name</b>	<b>On Inventory (yes/no)</b>
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NSDL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
A "YES" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).		
<b>Section 16:</b>	<b>OTHER INFORMATION</b>	
<b>Disclaimer</b>	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.	
<b>SDS Revision Date</b>	06-February-2020	
<b>Other Information</b>	This SDS conforms to the ANSI Z400.1/Z129-2010 (Rev. 12/2012)	